

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE <b>J</b>		PAGE OF PAGES <b>1   6</b>	
2. AMENDMENT/MODIFICATION NO. <b>0001</b>		3. EFFECTIVE DATE <b>13-Sep-2004</b>		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY NSWCDD ATTN: XDS115/S. JONES JONESM@NSWC.NAVY.MIL 17320 DAHLGREN ROAD DAHLGREN VA 22448		CODE <b>N00178</b>		7. ADMINISTERED BY (If other than item 6)  <b>See Item 6</b>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X 9A. AMENDMENT OF SOLICITATION NO. <b>N00178-04-R-1086</b>			
				X 9B. DATED (SEE ITEM 11) <b>02-Sep-2004</b>			
				10A. MOD. OF CONTRACT/ORDER NO.			
				10B. DATED (SEE ITEM 13)			
CODE				FACILITY CODE			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  This amendment is issued to make changes to Section C-Statement of Work.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				TEL: _____ EMAIL: _____			
15B. CONTRACTOR/OFFEROR  _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA  BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED  <b>13-Sep-2004</b>	

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been modified:

STATEMENT OF WORK**STATEMENT OF WORK****FEDERAL GERMAN NAVY (FGN) INTER-CONNECTIVITY PROJECT (ICP)  
DATA COLLECTION**

**START DATE:** Date of Order

**COMPLETION DATE:** 8 Months After Date of Contract (ADOC)

**OPTION:** 4 Months After Exercise of Option

**1.0 BACKGROUND:** The Federal German Navy (FGN) Simulation System (FSS) Project is a test facility connectivity and simulation environment enhancement effort between the United States Navy (USN) and the FGN. The objective of this project is to provide and develop a broad based test and training infrastructure, as well as capability improvements for the FGN that includes a common simulation environment, a distributed Link capability, and a test and training environment that is robust, extensive and flexible. Currently, this effort consists of five phases, representing five distinct builds. Phase I, Phase II, and Phase III have been completed. Phase IV is in progress. This acquisition specifically pertains to FSS Phase IV Inter-Connectivity Project (ICP).

**2.0 SCOPE:** The overall goals of this phase are to build upon the foundation created for Coherent Testing and Training by adding the ability to collect combat system track stores and optionally collect the combat system operator actions for the enhancement of international test and training capability.

**3.0 APPLICABLE DOCUMENTS:**

- a. FAR 52.22714 (Rights in Data) and DFARS 252.227-7017 (Identification and Assertion of Use, Release, or Disclosure Restrictions).
- b. DFARS 252.227-7017 (Identification and Assertion of Use, Release, or Disclosure Restrictions).
- c. Phase IV Project Plan of Action and Milestones (POA&M).
- d. Use Cases Combined with Booch/OMT/UML (Texel et al)
- e. German Naval Security Program or National Industrial Security Program Operating Procedures (NISPOM).
- f. Standardschnittstelle Taktischer Arbeitsplatz, Fregatte 123, Dated April 1998.
- g. Data Collection Option Paper, Dated 14 May 2004.

**4.0 REQUIREMENTS:** The following items shall be delivered to the US Government In Accordance With (IAW) dates and details identified in the Government accepted Phase IV Plan of Action and Milestones (POA&M), Applicable documents reference 3.0d, and Exhibit A, hereto.

- 4.1** The Contractor shall assemble, install and test Sensor Data Logger(s) to support the FGN Phase IV Data Collection, which shall provide the following capabilities in support of this acquisition:
- The capability to collect all NTDS (input and output) Messages between the ZRB and a minimum of two (2) Operator Consoles, in accordance with applicable document reference 3.0fk and to include (but not limited to) the below requirements:-
  - All Combat System Tracks (Air, Surface, Subsurface and Land) that are contained or maintained/managed within the ZRB.
  - All Data associated with the combat system tracks, specifically Track Number, Force ID, Position, Velocity (speed and heading), Altitude/Depth, Bearing (unless position is in World Vector Coordinates), track quality Engagements, and local/remote track source data.
  - The capability to provide the NTDS Message collected, time stamped and delivered within 2 seconds of receipt, via ADAS CORBA Network Interface.
  - The capability to expand to add twelve (12) additional serial passive taps.
  - The capability to timestamp all messages collected based on IRIG-B time code input.
- 4.2** The Contractor shall deliver (in English Language) the following software documentation in support of the Data Translation client.
- The Application Programmers Interface (API) documentation describing the objects and methods for obtaining the NTDS Messages from the ADAS Sensor Data Logger CORBA Network Interface.
  - The API Libraries associated with the API documentation for the purpose of allowing the clients to build the interface.
- 4.3** **OPTION ITEM-**The contractor shall ensure, upon implementation of selected option(s), that the FGN Phase IV Data Collection system provides, in addition to section 4.1, the following capabilities in support of this acquisition:
- Option 1: The ability to forward all Data Logging Computer Collected Messages to the ADAS CORBA Network. This effort shall include the following:
    - The Application Programmers Interface to include description of all objects and methods for messages collected in Option 1.
    - The API Libraries associated with the API documentation to include those implemented in Option 1 for the purpose of allowing clients to build the interface.
- 4.4** Provide white paper (in English Language) detailing the design of the ADAS CORBA Network associated with the Sensor Data Logger (SDL), including all contractual options exercised as follows:
- The design shall include the UML Model depicting the software analysis and design.
  - The contractor shall provide the UML model in a format suitable for import to Rational Rose.
  - The Contractor shall deliver any and all Software and associated concept papers associated with applications related to SDL and SDL CORBA Server developed under this contract. This shall include Object and/or Executable files, Library files, script files, and configuration files that would be necessary to execute. (CDRL A001)
- 4.5** The Contractor shall provide technical support to German Navy and/or German Navy Contractors for the installation, integration and testing phase of the F123 Data Collection capability that includes any contractual options exercised.
- 4.6** The Contractor shall provide all necessary software and technical support for the installation of the contractor developed testing platform. This platform shall be capable of representing the design of the SDL and SDL CORBA Server to facilitate development and testing of the Data Translation Function. This system shall contain the CORBA Server with applicable API implementations and Test data that can be used to validate the interface.
- 4.7** The contractor shall provide the following logistic support elements:
- The Contractor shall update hardware and/or site configuration drawings to reflect any and all changes related to or imposed by this contract.

- The Contractor shall update hardware and/or site configuration documents, users manuals, and maintenance manuals to reflect any and all changes imposed or related to by this contract.
- 4.8** The Contractor shall provide Trip Reports (in English Language) within five working days of return from travel. Trip Reports shall be provided for all travel performed in support of this Contract. (CDRL A002)
- 4.9** The Contractor shall prepare and present a Preliminary Design Review. This design review shall encompass all design aspects of the SDL and the SDL CORBA Server. The contractor shall utilize the comments from the design review as direction for implementation of the SDL and SDL CORBA Server. The PDR will be held no later than three months after the date of contract via teleconference.
- 4.10** The Contractor shall provide (in English Language) meeting minutes for meetings, conferences, and working groups facilitated or attended in support of this acquisition. Meeting Minutes shall be provided within three working days of the event. (CDRL A003).
- 4.11 Deliverables under section 4 shall be the following:**
- 4.11.1** Quantity of two (2) Sensor Data Logger units. This shall be in accordance with Paragraphs 4.1 of this SOW.
- 4.11.14.11.2** Quantity of 1 (one) set of Software end Items. This shall be in accordance with Paragraph 4.2 of this SOW
- 4.11.14.11.3** **Option Item (CLIN 0003):** Engineering services and Software End Items to support development. This shall be in accordance with Paragraph 4.3 of this SOW.
- 4.11.14.11.4** Technical White Paper, Quantity in accordance with CDRL A001. This shall be in accordance with Paragraph 4.4 of this SOW.
- 4.11.14.11.5** Technical Support for integration and testing. This shall be in accordance with Paragraph 4.5 of this SOW.
- 4.11.14.11.6** Technical Support and Software End Items. This shall be in accordance with Paragraph 4.6 of this SOW.
- 4.11.14.11.7** Logistic Support for documentation. This shall be in accordance with Paragraph 4.6 of this SOW.
- 4.11.14.11.8** Trip Report, quantity in accordance with CDRL A002. Requirements shall be in accordance with Paragraph 4.8 of this SOW.
- 4.11.14.11.9** Technical Support for Design Review. Requirement shall be in accordance with Paragraph 4.9 of this SOW.
- 4.11.10** Meeting Minutes, quantity in accordance with CDRL A003. Requirement shall be in accordance with Paragraph 4.10 of this SOW.
- 5.0 PROGRESS REPORTS:** The Contractor shall deliver (in English Language) progress reports and other data items as described in Exhibit "A".
- 5.1 Final Report:** A final report, IAW CDRL Item Number A004 shall be delivered at the completion of the Delivery Order.
- 5.2 Interim Progress Reports:** Interim progress reports (one technical and one financial) shall be delivered monthly during the performance of this order IAW CDRL Item Number A005, attached. The technical and financial monthly reports may be combined into one monthly report.
- 6.0 PLACES OF PERFORMANCE:** Primary efforts under this order shall be performed at Contractor facilities in Koblenz Germany, installation effort shall be performed at GENAVCCSYSCOM, Wilhelmshaven, Germany and test tool integration shall be performed at CDSA NAVSEA Dam Neck or CDSA Contractor facilities in Virginia Beach, Virginia USA.

**7.0 SECURITY REQUIREMENTS:** It is not anticipated that contractor personnel will generate or have access to classified information. This effort does not anticipate contractor support at CDSA Damneck.

a. If a need exists, contractor requests for visit authorizations shall be submitted in accordance with DoD 5520.22M (Industrial Security Manual for Safeguarding Classified Information) as early as practicable and not later than three working days prior to visit (except in cases of urgency). When a contractual relationship exists, original requests shall be delivered to the Security Officer of the activity being visited. When a contractual relationship does not exist, original requests shall be delivered to the Security Officer of NAVSEA CDSA Dam Neck via the Technical Point of Contact (TPOC) Mr. J. Simon, with the original copy of the request being forwarded to the activity being visited by the NAVSEA CDSA Dam Neck Security Officer.

b. Visit requests for subcontractors shall be submitted to the appropriate contractor Facility Security Officer (FSO) for certification of need to know, when applicable.

**8.0 GOVERNMENT-FURNISHED MATERIAL (GFM):** None.

**9.0 GOVERNMENT-FURNISHED INFORMATION (GFI):** None.

**10.0 GOVERNMENT-FURNISHED EQUIPMENT (GFE):** None.

**11.0 CONTRACTOR-FURNISHED MATERIAL (CFM):** The CFM, per SOW paragraph 4.0 will be provided by the Contractor in performance of this task order.

11.1 Items required by the Government for the performance of this order and not identified herein shall be identified to the Contractor when the requirement is recognized and will be provided on a case basis in accordance with paragraph 4.4 of this SOW.

**12.0 CONTRACTOR-FURNISHED EQUIPMENT (CFE):** None

**12.1 TOOLS AND EQUIPMENT:** Special tools and/or equipment are not required. The tools and equipment needed to complete this order are considered to be common tools and/or equipment of the trade and shall be supplied by the Contractor except for specific items listed as GFE.

**13.0 TRAVEL REQUIREMENTS:** All travel under this order must be requested of, and authorized by, the Technical Point of Contact (TPOC) Mr. J. Simon, in writing or by electronic mail, and must show the appropriate contract number, the number of people traveling, the number of days for the trip, the reason for the travel, and any high-cost or unusual costs expected. The Contractor is not authorized to perform any travel that is not in conjunction with this contract. Travel, in the performance of duties described in this statement of work is estimated at:

a. 2 Round trips for 2 people for 5 days (including travel time) between Koblenz, Germany and Wilhelmshaven, Germany.

b. 1 round trips for 2 people for 6 days (including travel time) between Koblenz, Germany and Norfolk/Virginia Beach , Virginia USA.

**14.0 TRANSPORTATION OF EQUIPMENT/MATERIAL:** The shipments of Contractor furnished items are required for the performance of this order (ref SOW Paragraph 4.4). Items to be shipped are listed below:

- a. Software Documentation
- ~~a.b.~~ Software
- ~~a.c.~~ Hardware Documentation
- ~~a.d.~~ Sensor Data Logger(s)
- ~~a.e.~~ Mounting Hardware
- ~~a.f.~~ Cabling

14.1 Packing and packaging shall be as specified in the contract. Shipments weighing less than 25 pounds shall be shipped by any expedient method including overnight air express; shipments weighing 25 pounds and greater shall be shipped surface freight. Written requests (including electronic mail) for exception will be approved by the TPOC on a case basis. Classified items, if applicable, shall be protected in accordance with the Industrial Security Manual.

14.2 All government property, if applicable, being received for custody by the Contractor and all government property being transferred from Contractor custody shall be documented on a DD Form 1149. Should property being received for custody, not be accompanied by a DD Form 1149, the Contractor shall prepare one, obtain the necessary signatures (if possible, or annotate the circumstances), and process copies in the usual manner.

**15.0 TPOC DESIGNATION:** The Technical Point of Contact (TPOC) for this contract is Mr. J. Simon, NAVSEA CDSA Code F21, telephone (757) 492-6695.

**16.0 UMMIPS PRIORITY:** Not required for this order.  
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(End of Summary of Changes)